

# **SERVICE MANUAL**

Product Type: LCD TV
Chassis: ML-012A
Manual Series: CM154
Manual Part #: 923-03489

Model Line: E Product Year: 2002

# Model Series:

L15V26

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# **PRODUCT SAFETY**

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#### IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audiovisual service technicians. When servicing this product, under no circumstances should the original design be modified or altered without permission from Zenith Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring, and lead dress must conform to original layout upon completion of repairs. If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it only with the factory specified fuse type and rating. When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB. Always keep wires away from high voltage or high temperature parts.

Special components are also used to prevent shock and fire hazard. These components are indicated by the letter "x" included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by Zenith Electronics Corporation. Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way. Never perform customized installations without manufacturer's approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

#### **GENERAL GUIDANCE**

An Isolation Transformer should always be used during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating to protect against personal injury from electrical shocks. It will also protect the receiver and its components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

Before returning the receiver to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

# LEAKAGE CURRENT COLD CHECK (ANTENNA COLD CHECK)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc. If the exposed metallic part has a return path to the chassis, the measured resistance should be between  $1 \text{M}\Omega$  and  $5.2 \text{M}\Omega$ . When the exposed metal has no return path to the chassis the reading must be infinite. Any other abnormality that exists must be corrected before the receiver is returned to the customer.

#### **ELECTROSTATICALLY SENSITIVE DEVICES**

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on the body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as an ESD mat, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage  $\ensuremath{\mathsf{ES}}$  devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material.)
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise, seemingly harmless motion, such as the brushing together of your clothing or the lifting of your foot from a carpeted floor, can generate static electricity sufficient to damage an ES device.)

# REGULATORY INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no quarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and receiver; Connect the equipment into an outlet on a circuit different from that to which the receiver is connected; Consult the dealer or an experienced radio/TV technician for help.

The responsible party for this device's compliance is:

Zenith Electronics Corporation 201 James Record Road Huntsville, AL 35824, USA

Digital TV Hotline: 1-800-243-0000

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# **GENERAL INFO**

# **GENERAL INFO**

#### SERVICE/WARRANTY

This model is a Factory Service Repair model (in and out of warranty) and is covered by a one year limited warranty. For service, the end user should call 1-800-984-9349 for complete shipping and handling instructions (or call 1-877-9ZENITH). Refer to the last page of the opquide for more information.

#### **FEATURES**

## 15.1" HDTV/PC MONITOR

Truly Flat LCD screen delivers razor sharp images

#### **BUILT IN NTSC TUNER**

Accepts cable/antenna, HDTV, satellite dish, and NTSC video sources

# PC TO TV AT THE TOUCH OF A BUTTON

Innovative technology provides unsurpassed versatility

#### 1024 X 768 RESOLUTION

High resolution format produces extremely detailed imagery

#### 350:1 HIGH CONTRAST RATIO

LCD technology emits sharp contrast between light and dark images

# 430 CD/M2 HIGH BRIGHTNESS

Renders an incredibly bright picture, even in lightdrenched environments

# 140 X 120 DEGREES VIEWING ANGLE

Allows for distortion-free viewing from almost any angle

# HI-RES COMPONENT, RGB, S-VIDEO, RF, AV INPUTS

Multiple inputs for DVD players, VCRs, computers, and video game systems

## 4H DIGITAL COMB FILTER

Accurately separates color data (chroma, or C) from black and white data (lumina, or Y) to produce improved color images and picture quality.

# PICTURE IN PICTURE (PIP)

Watch two channels at once on the same TV. Imposes a full color "inset picture" in a corner of the main picture.

## DIGITAL PROGRESSIVE SCAN

Lines of video data are processed faster and sequentially, a significant improvement on the old "interlacing" method. This allows the TV to display crisp, clear images when receiving data from a DVD player or other video sources requiring more bandwidth.

#### NTSC TUNER

Accepts standard United States broadcast video signals as designated by the National Television Standards Committee.

#### HI-RES COMPONENT VIDEO

Delivers the highest quality picture by breaking down video data into three separate signals—red, blue and luminance—before the data is sent to the television.

# PARENTAL CONTROL W/V-CHIP

Programmable feature that uses the US standard content advisory system to exclude viewing of specific programs or program types.

# **SPECIFICATIONS**

#### CARTNET

CABINET
W x H x D (Monitor) 15.3" x 15.2" x 6.9"
Weight 11.7 lbs.
Dimensions with Packaging
W x H x D 19.0" x 19.5" x 10.1"
Weight
UPC Code4464200392 0
Finish Silver Gray
VIDEO
Screen Size
Flat Yes
Resolution Display 1024 x 768 (XGA)
Color Depth 16M (8-Bit)
Aspect Ratio4:3
Contrast Ratio
Brightness 430 cd/m2
High Drive Video Watts50W
Viewing Angle140° x 120°
Tuning SystemNTSC-M
Comb Filter 4H Digital
Digital Progressive Scan Yes
Black/white level Yes
AUDIO
On Screen Equalizer Yes
Gradual Volume Increase Yes
Mono/Stereo/MTS/SAP Yes
Bass/Treble/Balance Only
Total Audio (Watts) 1W
Auto Volume Leveler Yes

# **GENERAL INFO**

# **S**PECIAL FEATURES

# **COMPUTER CONNECTION**

Set the monitor output resolution on the PC before connecting to the TV (see table). Connect the TV to the PC with a PC cable (VGA cable). Connect the PC audio output to the TV's PC SOUND input.

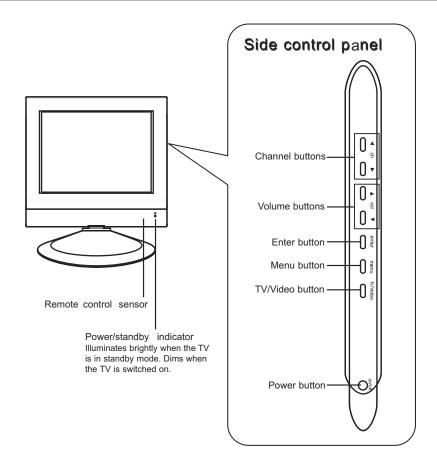
After setup, be sure to set TV to PC source. Turn on the PC/Computer. Turn the TV on and use tv/video button to select RGB-PC as the source.

The TV has been pre-adjusted to use XGA1024x768, 60Hz format. If possible, use one of the XGA formats to obtain the best image quality for your TV/LCD monitor. If set up under other resolutions, a distorted picture may appear on the screen. If set to Vertical frequency 85Hz, some noise can be seen when PIP is on. In this case, set the Vertical frequency to 60Hz. If the message "OUT OF RANGE" appears on the screen, adjust the PC output to a format listed in the chart.

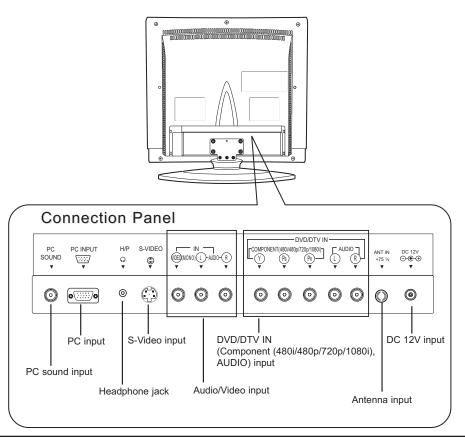
Note: When the PC is in the power saving mode, to also save energy, the monitor automatically switches to DPM mode.

Computer Video Modes							
Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (KHz)				
VGA	640x400	31.5KHz	70Hz				
	640x400	37.9KHz	85Hz				
	640x480	31.5KHz	60Hz				
	640x480	35.0KHz	67Hz				
	640x480	37.9KHz	72Hz				
	640x480	37.5KHz	75Hz				
	640x480	43.3KHz	85Hz				
	720x400	31.5KHz	70Hz				
SVGA	800x600	35.2KHz	56Hz				
	800x600	37.9KHz	60Hz				
	800x600	48.1KHz	72Hz				
	800x600	46.9KHz	75Hz				
	800x600	53.7KHz	85Hz				
(MAC)	832x624	49.7KHz	75Hz				
XGA	1024x768	48.4KHz	60Hz				
	1024x768	56.5KHz	70Hz				
	1024x768	60.2KHz	75Hz				
	1024x768	68.67KHz	85Hz				

# **FRONT VIEW**

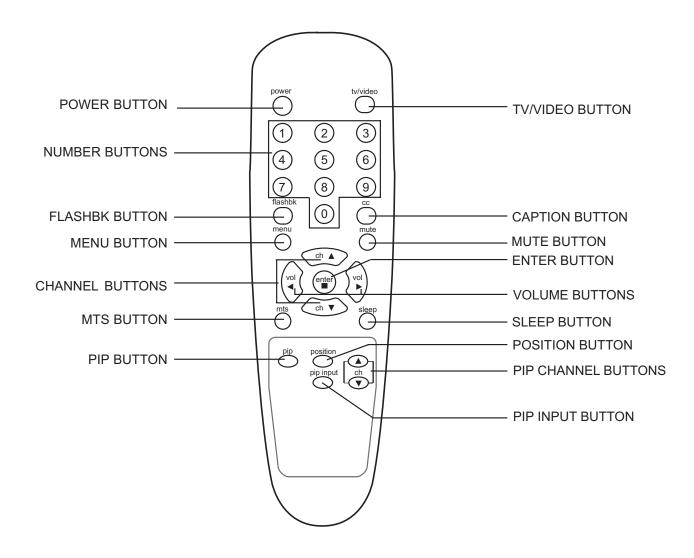


# **BACK VIEW**



# **GENERAL INFO**

# **REMOTE CONTROL**



## **USER MENUS**

Press the menu button repeatedly to display the available menus. Use the channel up/down buttons to select a menu option.

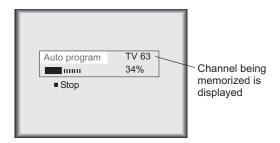
#### **CHANNEL**

#### **AUTO PROGRAM**

For Auto program to work, the programming source must be connected to the TV and the TV must be receiving programming signals either over-the-air or from a cable-type service provider.



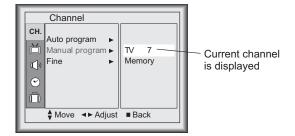
UUse the menu button to select the Channel menu. Press the volume up and then use the channel up/down buttons to select the Auto program option. Press the volume down button to begin the channel search. Wait for auto program to complete the channel search cycle before choosing a channel. The TV scans for overthe-air channels and then channels provided by a cable service.



When the channel search is complete, use the channel up/down buttons to review the memorized channels. If you press the enter button in auto programming, the search will stop and only channels programed up to that point will be saved. Auto programming can only memorize the channels which are being received at that time.

# ADD/DELETE CHANNELS

You can select Memory (to add the channel) or Erase (to delete the channel from memory). In the channel menu, press the volume up and use the channel up/down buttons to select the Manual program option.

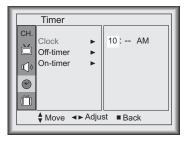


The current channel number is displayed. Press the volume down button and then press the volume up/down buttons to select a channel you want to add to memory or erase. Each time you press the volume up/down buttons, you toggle between Memory and Erase. After pressing enter, the current channel is added to Memory or Erased from the channel list.

# **TIMER**

#### **CLOCK**

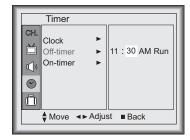
In the Timer menu, press the volume up and then use the channel up/down buttons to select the Clock option. Press the volume up and then use the channel up/down buttons to set the current hour.



Press volume up and use the channel up/down buttons to set the current minute. The clock starts when you press the enter button.

# **OFF TIMER**

Timer function operates only if current time has been already set. Off-timer function overrides the on-timer function if they are set to the same time.



Press the volume up and then use the channel up/down buttons to select the off timer option. Press volume up and use the channel up/down buttons to set the turn off hour. Press the volume up and use the channel up/down buttons to set the minutes.

Use the volume up button to select Hold or Run. Hold means the off Timer feature is not active and Run means it is. The timer starts when you press the Enter button.

#### **ON TIMER**

This timer function operates only if current time has been already set. In the Timer menu, press the volume up and then use the channel up/down buttons to select the on timer option. Press the volume up and then use the channel up/down buttons to set the hour.

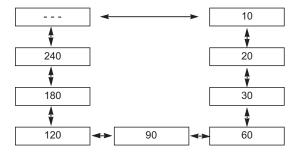


Press the volume up and then the channel up/down buttons to select minute you want to set. Press the volume up button and then use the channel up/down buttons to select the channel at turn-on. Press the volume up button and then use the channel up/down buttons to select the volume you want.

Use the volume up button to select Hold or Run. Hold means the on Timer feature is not active and Run means it is. The timer starts when you press the Enter button. If the on-timer function is active (Run), the current channel will change to the set channel when the ontimer is activated. Unless a button is pressed within three hours after the TV is turned on by the on-timer function, the TV will automatically turn off. The TV must be in standby mode for the on timer to work.

#### **SLEEP TIMER**

Use the sleep button to set the sleep timer. Each press of the sleep button changes the setting as shown below. Sleep timer turns the TV off at the preset time. To cancel sleep time setting, press the sleep button repeatedly to select [ — ]. The screen display of SLEEP appears on the screen for 20 seconds prior to TV turn off.

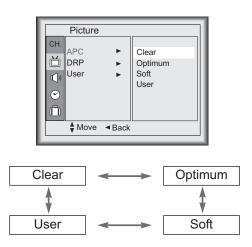


When the sleep time you want is displayed on the screen, don't press the sleep button again. To check the remaining sleep time, press the sleep button once. To change sleep time setting, press the sleep button repeatedly to select time setting you want. If you turn the TV off after setting the sleep timer, the setting will be erased.

#### **VIDEO**

# APC (AUTO PICTURE CONTROL)

APC adjusts the TV to the best picture appearance. Use the menu button to select the Picture menu. Press the volume up and then use the channel up/down buttons to select the APC option.

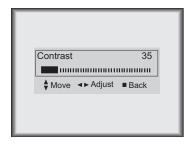


# DRP (DIGITAL REALITY PICTURE)

DRP improves picture outline in dark areas. While in the Picture menu, press the volume up and then use the channel up/down buttons to select the DRP option. Press the volume up and then use the channel up/down buttons to select Clear or Soft. Press the enter button to select and exit.

#### MANUAL PICTURE CONTROL

While in the Picture menu, press the volume up and then use the channel up/down buttons to select the User option. Press the volume up and then use the channel up/down buttons to select a picture option to adjust.



Press the volume up and then use the volume up/down buttons to make appropriate adjustments. Use the channel up/down button to select other options. Contrast, Brightness, Sharpness, and Color are adjustable from 0 to 100. Tint is adjustable from Red 50 to Green 50. Press the enter button to select.

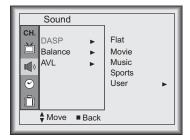
#### **FINE TUNING**

This function adjusts the picture's stability and condition when it is poor. While in the Picture menu, press the volume up and then use the channel up/down buttons to select the Fine option. Press the volume up and then use the volume up/down buttons to adjust the picture appearance to your preference. Press the enter button to select.

# **SOUND**

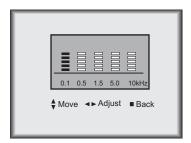
#### **DASP**

This function selects the sound appropriate to the program being viewed. While in the Sound menu, press volume up and then use the channel up/down buttons to select the DASP option. Press volume up and use the channel up/down buttons to select the desired setting for the sound. Each press of channel up/down button changes the setting to Flat, Movie, User, Sports, or Music.



#### **EQUALIZER ADJUSTMENTS**

While in the Sound menu, press the volume up and then use the channel up/down buttons to select the DASP option. Press volume up and then use the channel up/down buttons to select the User option. Press the volume up button, then use the volume up/down buttons to select the band you want to adjust and then use the channel up/down buttons to adjust the band level.

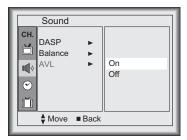


#### **BALANCE**

While in the Sound menu, press the volume up and then use the channel up/down buttons to select the Balance option. Press the volume up and then use the volume up/down buttons to adjust the balance. Balance is adjustable from Left 50 to Right 50.

# **AVL (AUTO VOLUME LEVELER)**

AVL maintains an equal volume level automatically, even if the channel is changed. While in the Sound menu, press the volume up and then use the channel up/down buttons to select the AVL option. Press the volume up and then use the channel up/down buttons to select on or off.



# SAP (SECOND AUDIO PROGRAM)

SAP contains the secondary language signal. Use the menu button to select the menu shown. Use the channel up/down button to select the MTS option. Each press of volume up/down buttons changes the audio mode. Press the enter button to select and exit.

# MUTE

Mute toggles the sound on and off. Press mute on the remote to mute the sound. To restore sound, press the mute button or volume up/down buttons. When sound is restored, current volume level is displayed on the screen.

#### **SPECIAL**

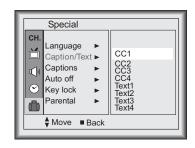
## **LANGUAGE**

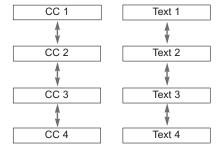
While in the Special menu, press volume up and then use the channel up/down buttons to select the Language option. Press volume up and then use the channel up/down buttons to select a language for the menus. Each press of channel up/down buttons changes the screen display to English, Spanish, or French. Press the enter button to select.



# **CLOSED CAPTIONING**

Closed captioning shows the audio portion of a television program in written words which appear on the television screen in a form similar to subtitles. Closed captions allow viewers to read the dialogue and narration of television programs. Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance.





Not all TV broadcasts include closed caption signals. Sometimes TV stations broadcast four different caption signals on the same channel. By selecting From CC1 to CC4, you can choose which signal you view. CC1 is usually the signal with the captions, while another mode might show demonstration or programming information.

While in the Special menu, press the channel up/down buttons to select the Caption/Text option. Each time you press the volume up/down buttons the caption mode is changed. Press the enter button to accept and exit. This TV is programmed to remember the caption/text mode it was last set to, when the power is turned off.

Press the enter button o accept and exit. This TV is programmed to remember the caption/text mode it was last set to, when you turn the POWER off.

# **PARENTAL CONTROL**

The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcast station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period. To use the Parental Control Function, the following must be set.

- 1. Ratings and categories to be blocked.
- 2. Number of hours to lock the television viewing control
- 3. Set a password
- 4. Enable the lock

#### **BLOCKING SETUP**

Use the channel up/down buttons to select the Parental Ctl option. Press the volume down button. Age block and Content block options also have sub-menus to set the type of blocking and rating. Use the channel up/down buttons to select the types of blocking to be set. Use the volume up/down buttons to select the types of ratings to block. MPAA, Age, and/or Content block may be set.

Press the menu button to return from the Age Block or Content Blk options. Use the channel up/down buttons to select the Set Hours option. Use the volume up/down buttons to set the number of hours for the blocking (Up to 99).

Use the channel up/down buttons to select the Set Password option. Enter a four digit password. Enter it again when requested. A new password may be chosen each time blocking is set up. Press the channel up/down buttons to select the Lock on/off option. Press the volume up/down buttons to turn the lock On. Press the menu button to save the blocking setups and exit.

#### V-CHTP RATTNGS

Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or directto-video movies use the Movie Rating System(MPAA) only.

Movies Ratings:

- \* Unblocked
- \* G General audience
- \* PG Parental guidance suggested
- \* PG-13 13 years and older
- \* R Restricted

- \* NC-17 17 years and older
- \* X Adult

# General TV Ratings:

- \* Unblocked
- \* TV-G General audience
- \* TV-PG Parental guidance suggested
- \* TV-14 14 years and older
- \* TV-MA Mature audience

# Children TV Ratings:

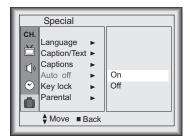
- \* Unblocked
- \* TV-Y youth
- \* TV-Y7 youth, 7 years and older

# Content Categories:

- \* Dialog sexual dialogue (applies to TV-PG, TV-14)
- Language adult language (applies to TV-PG, TV-14, TV-MA)
- \* Sex scenes sexual situations (applies to TV-PG, TV-14, TV-MA)
- \* Violence (applies to TV-PG, TV-14 and Above, TV-MA)
- \* F Violence fantasy violence (applies only to TV-Y7)
- \* No Rating (blocks all viewing)

#### **AUTO OFF**

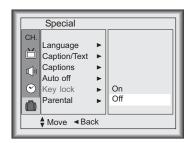
If there is no input signal, Auto Off will switch the TV to standby mode automatically after 10 minutes. Use the menu button to select the Special menu. Press the volume up and then use the channel up/down buttons to select the Auto off option. Press the volume up and then use the channel up/down buttons to select on or off. Each press of channel up/down buttons toggles between on and off.



#### **KEY LOCK**

The TV can be set up so that it can only be used with the remote control. Press the volume up and then use the channel up/down buttons to select the Key lock option. Press the volume up and then use the channel up/down buttons to select on or off.

Each press of channel up/down buttons toggles between on and off. This TV will remember which option it was last set to even if you turn the TV off.



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# **SERVICING**

# **TROUBLESHOOTING**

# 1. General Features

No.	Symptom	Cause	Check Point
1	Button doesn't function	Broken components and soldering of them     P2 connector error	Check button with eyes     Check and repair soldering     Check and repair the P2 connector
2 No screen		Input error of inverter connector	Bend the pin legs of P1 connector -> recheck them     Check and repair the IC804,805 SI4925
		P902 and Pin 21 connector being slipped out	Check and fix P902 connector     Check and fix the components at P902 LCD module and at main board.     Check Pin21.
		Cracked components and soldering at tuner board	Check and repair tuner board and main board     Solder Q102.
3	Dark screen	Defective LCD lamp     Defective inverter     Input error of inverter connector	Replace the inverter     Replace the LCD lamp     Check the connector input.

# 2. PC Mode

No.	Symptom	Cause	Check Point
4	Screen noise	Clock or phase being not able to be adjusted	Resettig is needed according to the video card of each PC     Horizontal noise : adjust phase until no horizontal noise occurres     Vertical noise : adjust clock in menu until no vertical noise occurres
5	Screen position error	Screen position error horizontally or vertically	Play the Auto Configure in Menu.     Adjust horizontal and vertical position until the screen displayes normally
6	Color beat noise	Soldering D-SUB Jack of JA202 and IC202.	Recheck and repair JA202,IC202

# 3. TV and external input

No.	Symptom	Cause	Check Point
7	No sound - Speaker - Earphone	Defective Reset IC of IC603 Defective MSP3440G of IC601 Defective B+(8V,5V) of IC604,605.	1) Check volume and speaker - Sound comes out only when being inputted into Audio L/R 2) Check after replacing IC603 3) Replace IC601 4) Check and replace B+ of IC604,605.
8	Video color beat noise	Earphone shield case being touched	Check the mold of shield and JA203, Replace shield case
		Soldering IC301 and IC912	Re-soldering

# **ADJUSTMENTS**

#### Notes:

- (1) This set uses an AC adapter, so connect the adapter and the set correctly before adjustment.
- (2) The adjustment must be performed in the correct sequence.
- (3) The adjustment must be performed in the circumstance of 25+/-5C of temperature and 65+/-10% of relative humidity.
- (4) The input voltage of the receiver must keep 100~220V, 50/60Hz during adjustment.
- (5) The set must be operated for 30 minutes before adjustment. Heat Run must be performed with the full white signal or TV noise signal.

# **PC INPUT MODE ADJUSTMENT**

# **REQUIRED TEST EQUIPMENT**

- (1) A pattern generator with Gray Pattern of 16(11) tones.
- (2) A Service remote control.

# PREPARATION FOR ADJUSTMENT

- (1) Perform Heat Run for more than 30 minutes with a white pattern.
- (2) Connect the signal from a pattern generator with LCD TV of PC Input Jack(D-Sub).

# **AUTO GRAY ADJUSTMENT**

- (1) Apply the gray signal of XGA (1024X768) 16 tones (H: 31-214 Pattern, V: 60-84 Pattern) apply the gray signal of Pattern Generator 16(11) tones.
- (2) In SVC Menu mode, adjust the Auto gray from 0 to 1 by using Volume + Key.

	EDID (The Extended Display Identification Data)															
	0	1	2	3	4	5	6	7	8	9	0A	0B	0C	0D	0E	0F
0	0	FF	FF	FF	FF	FF	FF	0	30	E5	D7	3A	1	0	0	0
10	0	0B	1	1	78	1F	17	70	E8	СЗ	A0	А3	54	4C	97	24
20	14	50	54	BF	E8	80	31	59	3B	D9	45	59	61	59	71	59
30	81	40	81	80	1	1	10	0E	1	1	1	1	1	1	1	1
40	1	1	1	1	1	1	1	1	F9	15	1	1	1	1	1	1
50	1	1	1	1	1	1	1	1	1	1	64	19	0	40	41	0
60	26	30	18	88	36	0	0E	СЗ	10	0	0	1E	0	0	0	FD
70	0	32	55	1E	46	0D	0	0A	20	20	20	20	20	20	0	C8

# **VIDEO MODE SETTINGS**

		H[dot]/V[line	-	\/C^ 75	VCA 05	CV/CA FO	C)/CA 60	01/04 70
Mode	VGA-60		VGA-72		VGA-85		SVGA-60	SVGA-72
H_Total	800	864	832	840	832	1024	1056	1040
H_Display	640	640	656	640	640	800	800	800
H_Blanking	160	224	176	200	192	224	256	240
H_Sync	96	64	40	64	56	72	128	120
H Polarity	NEG.	NEG.	NEG.	NEG.	NEG.	POS	POS	POS
H_Bp	48	96	120	120	80	128	88	64
H_Fp	16	64	16	16	56	24	40	56
H-Freq[KHz]	31.469	35	37.861	37.5	43.269	35.156	37.879	48.077
/Clk[MHz]	25.175	30.24	31.5	31.5	36	36	40	50
V_Total	525	525	520	500	509	625	628	666
V_Display	480	480	496	480	480	600	600	600
V_Blanking	45	45	24	20	29	25	28	66
V_Sync	2	3	3	3	3	2	4	6
V Polarity	NEG	NEG	NEG	NEG	NEG	POS	POS	POS
V_Bp	33	39	20	16	25	22	23	23
V_Fp	10	3	1	1	1	1	1	37
Mode	SVGA-75	SVGA-85	XGA-60	XGA-70	XGA-75	MAC-75	XGA-85	VGA350-7
H_Total	1056	1048	1344	1328	1312	1152	1376	800
H_Display	800	800	1024	1024	1024	832	1024	640
H_Blanking	256	248	320	304	288	320	352	160
H_Sync	80	64	136	136	96	64	96	96
H Polarity	POS	POS	NEG		POS	NEG	POS	POS
Н Вр	160	152	136	144	176	224	208	48
H_Fp	16	32	160	24	16	32	48	16
H-Freq[KHz]	46.875	53.674	48.363	56.476	60.023	49.725	68.677	31.468
/Clk[MHz]	49.5	56.25	65	75	78.75	57.283	84.997	25.17
V_Total	625	631	806	806	800	667	808	449
V_Display	600	600	768	768	768	624	768	350
V_Blanking	25	31	38	38	32	43	40	99
V_Sync	3	3	6	6	3	3	3	2
V Polarity	POS	POS	NEG	NEG	POS	NEG	POS	NEG
V_Bp	21	27	29	29	28	39	36	60
V_Bp V_Fp	1	1	3	3	1	1	1	37
v_i p	·		Ŭ .		'	<u>'</u>	<u>'</u>	01
Mode	VGA350-85	VGA400-70	VGA400-85					
H_Total	832	800	832					
H_Display	640	640	640					
H_Blanking	192	160	192					
H_Sync	64	96	64	1				
H Polarity	POG	NEG	NEG	-				
-	96	48	96	-				
H_Bp				-				
H_Fp	32	16	32	-				
H-Freq[KHz]	37.86	31.46	37.86					
/Clk[MHz]	31.47	25.17	31.5					
V_Total	445	449	445					
V_Display	350	400	400					
V_Blanking	95	49	45					
V_Sync	3	2	3					
V Polarity	NEG	POS	POS					
V_Bp	60	35	41					
V En	22	12	1	1				

32

V\_Fp

12

# **ADJUSTMENT OPTIONS**

# 5. Option1 data(200PR~A2 ST:1bit,SYS:2bit)

OPTION Data	200PR	TEXT	I/II SV	ТОР	SCART	A2 ST	sys
0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	1
2	0	0	0	0	0	0	2
3	0	0	0	0	0	0	3
4	0	0	0	0	0	1	0
5	0	0	0	0	0	1	1
6	0	0	0	0	0	1	2
7	0	0	0	0	0	1	3
8	0	0	0	0	1	0	0
9	0	0	0	0	1	0	1
10	0	0	0	0	1	0	2
11	0	0	0	0	1	0	3
12	0	0	0	0	1	1	0
13	0	0	0	0	1	1	1
14	0	0	0	0	1	1	2
15	0	0	0	0	1	1	3
16	0	0	0	1	0	0	0
17	0	0	0	1	0	0	1
18	0	0	0	1	0	0	2
19	0	0	0	1	0	0	3
20	0	0	0	1	0	1	0
21	0	0	0	1	0	1	1
22	0	0	0	1	0	1	2
23	0	0	0	1	0	1	3
24	0	0	0	1	1	0	0
25	0	0	0	1	1	0	1
26	0	0	0	1	1	0	2
27	0	0	0	1	1	0	3
28	0	0	0	1	1	1	0
29	0	0	0	1	1	1	1
30	0	0	0	1	1	1	2
31	0	0	0	1	1	1	3

OPTION Data	200PR	TEXT	I/II SV	ТОР	SCART	A2 ST	SYS
32	0	0	1	0	0	0	0
33	0	0	1	0	0	0	1
34	0	0	1	0	0	0	2
35	0	0	1	0	0	0	3
36	0	0	1	0	0	1	0
37	0	0	1	0	0	1	1
38	0	0	1	0	0	1	2
39	0	0	1	0	0	1	3
40	0	0	1	0	1	0	0
41	0	0	1	0	1	0	1
42	0	0	1	0	1	0	2
43	0	0	1	0	1	0	3
44	0	0	1	0	1	1	0
45	0	0	1	0	1	1	1
46	0	0	1	0	1	1	2
47	0	0	1	0	1	1	3
48	0	0	1	1	0	0	0
49	0	0	1	1	0	0	1
50	0	0	1	1	0	0	2
51	0	0	1	1	0	0	3
52	0	0	1	1	0	1	0
53	0	0	1	1	0	1	1
54	0	0	1	1	0	1	2
55	0	0	1	1	0	1	3
56	0	0	1	1	1	0	0
57	0	0	1	1	1	0	1
58	0	0	1	1	1	0	2
59	0	0	1	1	1	0	3
60	0	0	1	1	1	1	0
61	0	0	1	1	1	1	1
62	0	0	1	1	1	1	2
63	0	0	1	1	1	1	3

OPTION Data	200PR	TEXT	I/II SV	ТОР	SCART	A2 ST	sys
64	0	1	0	0	0	0	0
65	0	1	0	0	0	0	1
66	0	1	0	0	0	0	2
67	0	1	0	0	0	0	3
68	0	1	0	0	0	1	0
69	0	1	0	0	0	1	1
70	0	1	0	0	0	1	2
71	0	1	0	0	0	1	3
72	0	1	0	0	1	0	0
73	0	1	0	0	1	0	1
74	0	1	0	0	1	0	2
75	0	1	0	0	1	0	3
76	0	1	0	0	1	1	0
77	0	1	0	0	1	1	1
78	0	1	0	0	1	1	2
79	0	1	0	0	1	1	3
80	0	1	0	1	0	0	0
81	0	1	0	1	0	0	1
82	0	1	0	1	0	0	2
83	0	1	0	1	0	0	3
84	0	1	0	1	0	1	0
85	0	1	0	1	0	1	1
86	0	1	0	1	0	1	2
87	0	1	0	1	0	1	3
88	0	1	0	1	1	0	0
89	0	1	0	1	1	0	1
90	0	1	0	1	1	0	2
91	0	1	0	1	1	0	3
92	0	1	0	1	1	1	0
93	0	1	0	1	1	1	1
94	0	1	0	1	1	1	2
95	0	1	0	1	1	1	3
96	0	1	1	0	0	0	0
97	0	1	1	0	0	0	1
98	0	1	1	0	0	0	2
99	0	1	1	0	0	0	3
100	0	1	1	0	0	1	0
101	0	1	1	0	0	1	1
102	0	1	1	0	0	1	2
103	0	1	1	0	0	1	3
104	0	1	1	0	1	0	0
105	0	1	1	0	1	0	1
106	0	1	1	0	1	0	2
107	0	1	1	0	1	0	3
108	0	1	1	0	1	1	0
109	0	1	1	0	1	1	1

OPTION Data	200PR	TEXT	I/II SV	ТОР	SCART	A2 ST	sys
110	0	1	1	0	1	1	2
111	0	1	1	0	1	1	3
112	0	1	1	1	0	0	0
113	0	1	1	1	0	0	1
114	0	1	1	1	0	0	2
115	0	1	1	1	0	0	3
116	0	1	1	1	0	1	0
117	0	1	1	1	0	1	1
118	0	1	1	1	0	1	2
119	0	1	1	1	0	1	3
120	0	1	1	1	1	0	0
121	0	1	1	1	1	0	1
122	0	1	1	1	1	0	2
123	0	1	1	1	1	0	3
124	0	1	1	1	1	1	0
125	0	1	1	1	1	1	1
126	0	1	1	1	1	1	2
127	0	1	1	1	1	1	3
128	1	0	0	0	0	0	0
129	1	0	0	0	0	0	1
130	1	0	0	0	0	0	2
131	1	0	0	0	0	0	3
132	1	0	0	0	0	1	0
133	1	0	0	0	0	1	1
134	1	0	0	0	0	1	2
135	1	0	0	0	0	1	3
136	1	0	0	0	1	0	0
137	1	0	0	0	1	0	1
138	1	0	0	0	1	0	2
139	1	0	0	0	1	0	3
140	1	0	0	0	1	1	0
141	1	0	0	0	1	1	1
142	1	0	0	0	1	1	2
143	1	0	0	0	1	1	3
144	1	0	0	1	0	0	0
145	1	0	0	1	0	0	1
146	1	0	0	1	0	0	2
147	1	0	0	1	0	0	3
148	1	0	0	1	0	1	0
149	1	0	0	1	0	1	1
150	1	0	0	1	0	1	2
151	1	0	0	1	0	1	3
152	1	0	0	1	1	0	0
153	1	0	0	1	1	0	1
154	1	0	0	1	1	0	2
155	1	0	0	1	1	0	3

OPTION Data	200PR	TEXT	I/II SV	ТОР	SCART	A2 ST	sys
156	1	0	0	1	1	1	0
157	1	0	0	1	1	1	1
158	1	0	0	1	1	1	2
159	1	0	0	1	1	1	3
160	1	0	1	0	0	0	0
161	1	0	1	0	0	0	1
162	1	0	1	0	0	0	2
163	1	0	1	0	0	0	3
164	1	0	1	0	0	1	0
165	1	0	1	0	0	1	1
166	1	0	1	0	0	1	2
167	1	0	1	0	0	1	3
168	1	0	1	0	1	0	0
169	1	0	1	0	1	0	1
170	1	0	1	0	1	0	2
171	1	0	1	0	1	0	3
172	1	0	1	0	1	1	0
173	1	0	1	0	1	1	1
174	1	0	1	0	1	1	2
175	1	0	1	0	1	1	3
176	1	0	1	1	0	0	0
177	1	0	1	1	0	0	1
178	1	0	1	1	0	0	2
179	1	0	1	1	0	0	3
180	1	0	1	1	0	1	0
181	1	0	1	1	0	1	1
182	1	0	1	1	0	1	2
183	1	0	1	1	0	1	3
184	1	0	1	1	1	0	0
185	1	0	1	1	1	0	1
186	1	0	1	1	1	0	2
187	1	0	1	1	1	0	3
188	1	0	1	1	1	1	0
189	1	0	1	1	1	1	1
190	1	0	1	1	1	1	2
191	1	0	1	1	1	1	3
192	1	1	0	0	0	0	0
193	1	1	0	0	0	0	1
194	1	1	0	0	0	0	2
195	1	1	0	0	0	0	3
196	1	1	0	0	0	1	0
197	1	1	0	0	0	1	1
198	1	1	0	0	0	1	2
199	1	1	0	0	0	1	3
200	1	1	0	0	1	0	0
201	1	1	0	0	1	0	1

OPTION Data	200PR	TEXT	I/II SV	ТОР	SCART	A2 ST	SYS
202	01	1	0	0	1	0	2
203	1	1	0	0	1	0	3
204	1	1	0	0	1	1	0
205	1	1	0	0	1	1	1
206	1	1	0	0	1	1	2
207	1	1	0	0	1	1	3
208	1	1	0	1	0	0	0
209	1	1	0	1	0	0	1
210	1	1	0	1	0	0	2
211	1	1	0	1	0	0	3
212	1	1	0	1	0	1	0
213	1	1	0	1	0	1	1
214	1	1	0	1	0	1	2
215	1	1	0	1	0	1	3
216	1	1	0	1	1	0	0
217	1	1	0	1	1	0	1
218	1	1	0	1	1	0	2
219	1	1	0	1	1	0	3
220	1	1	0	1	1	1	0
221	1	1	0	1	1	1	1
222	1	1	0	1	1	1	2
223	1	1	0	1	1	1	3
224	1	1	1	0	0	0	0
225	1	1	1	0	0	0	1
226	1	1	1	0	0	0	2
227	1	1	1	0	0	0	3
228	1	1	1	0	0	1	0
229	1	1	1	0	0	1	1
230	1	1	1	0	0	1	2
231	1	1	1	0	0	1	3
232	1	1	1	0	1	0	0
233	1	1	1	0	1	0	1
234	1	1	1	0	1	0	2
235	1	1	1	0	1	0	3
236	1	1	1	0	1	1	0
237	1	1	1	0	1	1	1
238	1	1	1	0	1	1	2
239	1	1	1	0	1	1	3
240	1	1	1	1	0	0	0
241	1	1	1	1	0	0	1
242	1	1	1	1	0	0	2
243	1	1	1	1	0	0	3
244	1	1	1	1	0	1	0
245	1	1	1	1	0	1	1
246	1	1	1	1	0	1	2
247	1	1	1	1	0	1	3

OPTION Data	200PR	TEXT	I/II SV	ТОР	SCART	A2 ST	SYS
248	1	1	1	1	1	0	0
249	1	1	1	1	1	0	1
250	1	1	1	1	1	0	2
251	1	1	1	1	1	0	3
252	1	1	1	1	1	1	0
253	1	1	1	1	1	1	1
254	1	1	1	1	1	1	2
255	1	1	1	1	1	1	3

# 6. Option2 data(ACMS~BBACK:1bit,LANG:3bit)

OPTION Data	ACMS	VOL	HIDEV
0	0	0	0
1	0	0	1
2	0	1	0
3	0	1	1
4	1	0	0
5	1	0	1
6	1	1	0
7	1	1	1

# 7. Option3 data(IIC AFT~CH+AU:1bit)

OPTION Data	IIC AFT	MD SAVE	MONO	CH+AUS
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

# **PARTS**

This model is a Factory Service Repair model (in and out of warranty) and is covered by a one year warranty. For service, the end user should call 1-800-984-9349 for complete shipping and handling instructions (or call 1-877-9ZENITH). Refer to the last page of the opguide for more information.

Parts contact information:

Voice: 1-888-3-ZENITH Fax: 1-888-6-ZENITH

Mail: Zenith National Parts

201 James Record Road Huntsville, AL 35824-1513

# **MODEL PARTS**

No.	PART NO.	DESCRIPTION
1	3091V00A15G	CABINET ASSEMBLY, ZENITH
2	6400VA0017A	SPEAKER,GENERAL T401SX-095K14 LG
		C&D 8 OHM 1.0
3	4950V00067A	METAL, SPEAKER HOLDER (L,R)
4	6304FLP006A	LCD,LC151X01-A3 LG PHILPS TFT COLO
5	6871VSMA12A	PCB ASSEMBLY,CONT
6	5020V00552H	BUTTON,ZENITH SET
7	6871VSMA13D	PCB ASSEMBLY, POWER ML-012A RU-
		15LA31
8	5020V00553E	BUTTON,ZENITH(#39) SET
9	6871VMM804E	PCB ASSEMBLY, MAIN ML-012A
10	4950V00059E	METAL, MAIN BRACKET SECC
11	6633VA0003G	INVERTER ASSY,12VOLT .VOLT ECT
12	4950V00063B	METAL, HINGE FIXER SUS304 15LA30
13	4811V00015D	BRACKET ASSEMBLY, SUB ABS ZENITH
14	3809V00273M	BACK COVER ASSEMBLY, ZENITH
15	3581V00033A	DOOR ASSEMBLY

COM	PONENT PARTS	
No.	PART NO.	DESCRIPTION
C101	OCE476DH618	CAP, ELECTRO, 47UF STD 25V 20%
C105	OCE106DK618	CAP, ELECTRO, 10UF STD 50V 20%
C107	OCE108DD618	CAP, ELECTRO, 1000UF STD 10V 20%
C1101	10CE107DD618	CAP, ELECTRO, 100UF STD 10V 20%
C113	OCE105DK618	CAP, ELECTRO, 1UF STD 50V 20%
C115	OCE107DF618	CAP, ELECTRO, 100UF STD 16V 20%
C17	OCE107SF6DC	CAP, ELECTRO, 100UF MVG 16V 20%
C20	OCE107SF6DC	CAP, ELECTRO, 100UF MVG 16V 20%
C209	OCE225VK6DC	CAP, ELEC, 2.2UF MV 50V 20% R/T
C21	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C214	OCE476SF6DC	CAP, ELECTRO, 47UF MVG 16V 20%
C217	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C220	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C221	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C24	OCE107SF6DC	CAP, ELECTRO, 100UF MVG 16V 20%
C25	OCE227VF6DC	CAP, ELEC, 220UF MV 16V 20% R/T
C302	OCE476SF6DC	CAP, ELECTRO, 47UF MVG 16V 20%
C323	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C331	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
C332	0CK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012

		16V 10%
C333	0CK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
C334	0CK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
C335	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
C336	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
C347	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
C25/	0CV00/DEFCA	16V 10%
L354	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012 16V 10%
C361	0CE105CK636	CAP, ELECTRO, 1UF SHL,SD 50V 20% FM5
0301	OCLIOSCROSO	BP(D) TP
C362	0CE105CK636	CAP, ELECTRO, 1UF SHL,SD 50V 20% FM5
		BP(D) TP
C363	OCE105CK636	CAP, ELECTRO, 1UF SHL,SD 50V 20% FM5
		BP(D) TP
C364	OCE105CK636	CAP, ELECTRO, 1UF SHL,SD 50V 20% FM5
		BP(D) TP
C365	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
	OCE476SF6DC	CAP, ELECTRO, 47UF MVG 16V 20%
1	OCE107SF6DC	CAP, ELECTRO, 100UF MVG 16V 20%
C438	OCE476SF6DC	CAP, ELECTRO, 47UF MVG 16V 20%
C475	OCE476SF6DC	CAP, ELECTRO, 47UF MVG 16V 20%
C476	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C486	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C489	OCE106SF6DC	CAP, ELECTRO, 10UF MVG 16V 20%
C494	OCE476SF6DC	CAP, ELECTRO, 47UF MVG 16V 20%
C495	OCE107SF6DC	CAP, ELECTRO, 100UF MVG 16V 20%
C60	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
C60	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
6640	00540705640	16V 10%
	0CE107DF618	CAP, ELECTRO, 100UF STD 16V 20%
	0CE107DF618	CAP, ELECTRO, 100UF STD 16V 20%
C018	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012 16V 10%
C610	0CK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
1019	OCKELADEDON	16V 10%
(620	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
3323		16V 10%
C621	OCK224DF56A	CAP, CERAMIC(HDE), 220000PF 2012
		16V 10%
C622	OCE476DF618	CAP, ELECTRO, 47UF STD 16V 20%
C63	OCE476SF6DC	CAP, ELECTRO, 47UF MVG 16V 20%
C631	OCE106DF618	CAP, ELECTRO, 10UF STD 16V 20%
C632	OCE106DF618	CAP, ELECTRO, 10UF STD 16V 20%
C633	OCE335DK618	CAP, ELECTRO, 3.3UF STD 50V 20%
C635	OCE107DF618	CAP, ELECTRO, 100UF STD 16V 20%
C638	OCE107DF618	CAP, ELECTRO, 100UF STD 16V 20%
C639	OCE107DF618	CAP, ELECTRO, 100UF STD 16V 20%
C640	OCE477DF618	CAP, ELECTRO, 470UF STD 16V 20%
C643	OCE477DF618	CAP, ELECTRO, 470UF STD 16V 20%
C644	OCE107DF618	CAP, ELECTRO, 100UF STD 16V 20%
C645	OCE107DH618	CAP, ELECTRO, 100UF STD 25V 20%
C647	OCE225DK618	CAP, ELECTRO, 2.2UF STD 50V 20%
C648	OCE225DK618	CAP, ELECTRO, 2.2UF STD 50V 20%
C649	OCQ1031N509	CAP, FILM, 0.01UF D 100V 10% PE TP5
		-

C650 0	DCE477DF618	CAP, ELECTRO, 470UF STD 16V 20%
		CAP, ELECTRO, 47UF STD 16V 20%
		CAP, FILM, 0.01UF D 100V 10% PE TP5
		CAP, ELECTRO, 100UF STD 16V 20%
		CAP, CERAMIC(HDE), 220000PF 2012
C655 0	OCK224DF56A	16V 10% CAP, CERAMIC(HDE), 220000PF 2012 16V 10%
C69 0	OCE105VK6DC	CAP, ELEC, 1UF MV 50V 20%
		CAP, ELECTRO, 47UF STD 50V 20%
		CAP, ELECTRO, 470UF STD 16V 20%
		CAP, ELECTRO, 470UF STD 16V 20%
		CAP, ELECTRO, 470UF STD 16V 20%
		CAP, ELECTRO, 470UF STD 16V 20%
		CAP, ELECTRO, 470UF STD 16V 20%
		CAP, ELECTRO, 4700F STD 16V 20%
		CAP, ELECTRO, 220UF STD 25V 20%
		CAP, ELECTRO, 100UF STD 25V 20%
		CAP, ELECTRO, 1000F STD 25V 20%
		CAP, ELECTRO, 4.7UF STD 50V 20%
		CAP, ELECTRO, 10UF MVG 16V 20%
		CAP, ELECTRO, 100F MVG 16V 20%  CAP, ELECTRO, 10UF MVG 16V 20%
		CAP, ELECTRO, 100F MVG 16V 20%
		CAP, ELECTRO, 1000F MVG 10V 20%
		CAP, ELECTRO, 1000F MVG 16V 20%
		CAP, ELECTRO, 10UF MVG 16V 20%
		CAP, ELECTRO, 100UF MVG 16V 20%
1		CAP, ELECTRO, 100UF MVG 16V 20%
		DIODE, SWITCHING, KDS181
		DIODE, SWITCHING, KDS181
	DD181009AB	DIODE, SWITCHING, KDS181
		DIODE, SWITCHING, KDS181
		DIODE, SWITCHING, KDS181
		DIODE,SWITCHING, KDS181 DIODE,SWITCHING, KDS181
		· ·
		FUSE, SLOW BLOW, 630MA 250
		FUSE, FAST BLOW, MICRO 125V 2.5A
		FILTER(CIRC), EMC, HH-1M3216-501
1		IC, DRAWING, M37136EFSP 52P ST ML
		IC, ATMEL, AT24C16
		IC,ATMEL, AT24C21-10SI-2.5 8P IC,PHILIPS, 74F08D 14P SOIC
		IC, FAIRCHILD, KA75270Z MC-007
		IC,ITT, VPC3230D QA B4 80P Q
	)IHY100100A	IC, HYUNDAI, LGTV1001 64P QFP BK
T.C.		PROG. H-FILTER
		IC,MICRO, LM1881M NATIONAL SEM
	)ISA428200A	IC,MICRO, MSP3440G QA B8 V3 MI IC,SANYO, LA4282 12S 2CHX10W AUDIO
IC603 0	OIKE704200J	AMP IC,KEC, KIA7042AF SOT-89 TP 4.2V VOLTAGE DETECTOR
IC604 0	OIMCRFA009A	IC,MICRO CONTROLLER, KA78M08RTM, FAIRCHIL
IC605 0	OIMCRFA008A	IC,MICRO CONTROLLER, KA78M05RTM, FAIRCHIL
IC801 0		IC,TEMIC, SI786 28SSOP DUAL-OUTPUT POWER CONTR.
IC802 0	OTFVI80001A	TRANSISTOR, FETS, VISHAY SI4808DY
1		

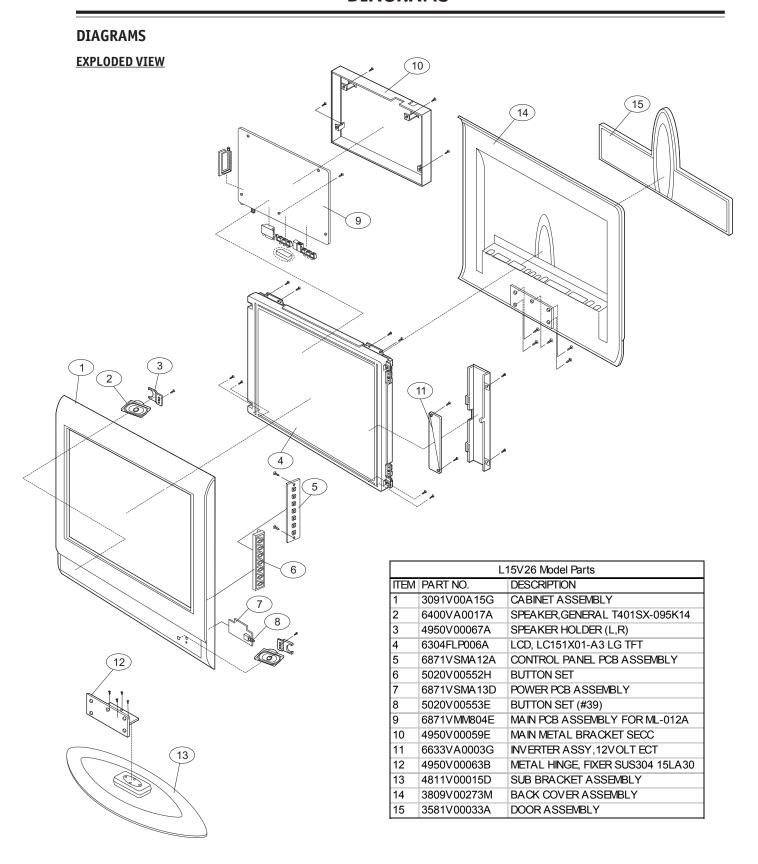
IC803 0TFVI80001A	TRANSISTOR, FETS, VISHAY SI4808DY
IC804 0TF492509AA	TRANSISTOR, FETS, SI4925DY TEMIC 30V 6.1A
IC805 0TF492509AA	TRANSISTOR, FETS, SI4925DY TEMIC 30V 6.1A
IC901 OIMCRG2004A	IC,MICRO, JAGASM SAGE 352BALL
IC902 0IPH806520A	IC,PHILIPS, 80C652 40 PLCC ST 8-
IC903 0IPH743730E	IC,PHILIPS, 74HCT373D 20SOP
IC904 0IZZVC0029E	IC,DRAWING, M27C512 10F1 DIP BK
IC905 0ISS416162B	IC,SAMSUNG, K4S161622D-TC80, 512K*16BIT*2B
IC906 0ISS416162B	IC,SAMSUNG, K4S161622D-TC80, 512K*16BIT*2B
IC907 0IPH740400G	IC,PHILIPS, 74HCO4D HEX INVERTER 14P,SOP TP
IC908 0IAL241610A	IC,ATMEL, AT24C16N-10SI 8P SOIC ST EEPROM
IC909 0ILT176425A	IC,LINEAR TECHNOLOGY, LT1764EQ-2.5 5PIN
IC912 OIPRPS5001A	IC,PERIPHERALS, SII140A SILICON IMAG
IC913 OTF492509AA	TRANSISTOR, FETS, SI4925DY TP TEMIC 30V 6.1A SO-8
JA2016612VAH001A	JACK, HEADPHONE, HEC3900-010110 HOSIDEN DC (7) BK LN-15A1(NF-99LA)
JA2026630VGA001B	CONNECTOR (CIRC),D-SUB, 68114-1522 MOLEX-KOR 15PIN 2.29MM
JA2036613V00008F	JACK ASSY, PMJ014F PARK ELEC E/
JA2046612VJH008D	JACK,RCA, PJ6063D PARKELEC DVD
JA205A	380-336E JACK,RCA, WA6013E PARKELEC RCA
JA205B	380-336F JACK,RCA, WA6013E PARKELEC RCA
JA2066612VCH003B	JACK,PHONE, PEJ012C PARK ELEC H=6.5
L1 6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
L101 6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
L102 OLA0272K139	INDUCTOR,AXIAL LEAD, 27UH 10% A 4.0 X 10.5
L103 6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
L104 6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
L11010LA0222K119	INDUCTOR,AXIAL LEAD, 22UH 10% A 2.3 X 3.4
L201 6210TCE001A	FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM
L202 6210TCE001A	FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM
L204 6210TCE001A	FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM
L205 6210TCE001A	FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM
L206 6210TCE001A	FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM
L207 6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
L215 6210TCE001A	FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM
L216 6210TCE001A	FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM
L276 6210TCE001A	FILTER(CIRC), EMC, HB-1S2012-080JT

CERATEC 3216MM L301 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L302 6210TCE001A FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L303 6210TCE001A FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 2012MM L304 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L4 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L601 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L602 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L603 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L801 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L802 6140VB0004B COIL, CHOKE, GOUH 1UEWPHY 22.5TURN YL-9N 0.4 COIL, CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5 L804 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L805 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L805 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L901 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L902 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L906 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L907 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L918 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L919 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC), EMC, HH-1			
CERATEC 2012MM  L3 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L301 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L302 6210TCE001A FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L303 6210TCE001A FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 2012MM  L304 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L4 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L601 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L602 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L603 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L604 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L801 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L802 6140VB0004B COIL, CHOKE, 260H 1UEWPHY 22.5TURN YL-9N 0.5  L804 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L806 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L906 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L907 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L912 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC			
CERATEC 3216MM L301 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L302 6210TCE001A FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L303 6210TCE001A FILTER(CIRC), EMC, HB-1S2012-0803T CERATEC 2012MM L304 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L4 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L601 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L602 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L603 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L801 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM COIL, CHOKE, 26UH 1UEWPHY 22.5TURN VL-9N 0.4 L802 6140VB0004B COIL, CHOKE, 9.5UH 1UEWPHY 22.5TURN VL-9N 0.5 L804 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L805 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L806 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L807 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L808 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L906 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L907 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L918 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L919 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L912 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L913 6210TCE001G FILTER(CIRC), EMC, HH	L277	6210TCE001A	
CERATEC 3216MM L302 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM FILTER(CIRC), EMC, HB-1S2012-080JT CERATEC 2012MM L304 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L4 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L601 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L602 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L603 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L801 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L802 6140VB0004B COIL, CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4 L803 6140VB0004A COIL, CHOKE, 26UH 1UEWPHY 13.5TURN YL-9N 0.5 L804 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L805 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L806 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L807 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L901 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L906 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L907 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L912 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L913 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE0016 FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE0016 FILTER(CIRC), EMC, HH-	L3	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM L303 6210TCE001A  FILTER(CIRC),EMC, HB-1S2012-080JT CERATEC 2012MM L304 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L4 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L601 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L602 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L603 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L801 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L802 6140VB0004B  COIL,CHOKE, 9.5UH 1UEWPHY 22.5TURN YL-9N 0.4  L803 6140VB0004A  COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5 L804 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L901 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L902 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L906 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L907 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE0016  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE0016  F	L301	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
L303 6210TCE001A FILTER(CIRC),EMC, HB-1S2012-0803T CERATEC 2012MM L304 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L4 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L601 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L602 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L603 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L801 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L802 6140VB0004B COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4 COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.5 L804 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L805 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L806 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L906 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L907 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILT	L302	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
L304 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L601 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L602 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L603 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L801 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L802 6140VB0004B COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4 L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5 L804 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L805 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L901 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L906 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L907 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L918 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L919 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L91	L303	6210TCE001A	FILTER(CIRC), EMC, HB-1S2012-080JT CFRATEC 2012MM
L4 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L601 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L602 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L603 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L604 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L801 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L802 6140VB0004B COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4 L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5 L804 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L805 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L901 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L902 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L906 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L907 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L918 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L919 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L910 6210TCE0016 FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L9110	L304	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L602 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L603 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L604 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L801 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L802 6140VB0004B COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4  L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5  L804 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FIL	L4	6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L603 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L604 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L801 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L802 6140VB0004B COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4  L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5  L804 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FIL	L601	6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L604 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L801 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L802 6140VB0004B COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4  L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5  L804 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FIL	L602	6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
L604 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L801 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L802 6140VB0004B COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4  L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5  L804 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC),EMC, H	L603	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501
CERATEC 3216MM  L802 6140VB0004B  COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4  L803 6140VB0004A  COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5  L804 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L926 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L927 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L928 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L929 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L920 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L920 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L920 6210TCE001G  FILTER(CIRC),EMC, HH-1M3216-501 CERAT	L604	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501
YL-9N 0.4  L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5  L804 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTE	L801	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
L803 6140VB0004A COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN YL-9N 0.5  L804 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC),EMC	L802	6140VB0004B	COIL,CHOKE, 26UH 1UEWPHY 22.5TURN YL-9N 0.4
CERATEC 3216MM  L805 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L901 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L918 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L919 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L910 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L910 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L910 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L910 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L910 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HT-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HT-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), EMC, HT-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC), E	L803	6140VB0004A	COIL,CHOKE, 9.5UH 1UEWPHY 13.5TURN
CERATEC 3216MM L901 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L910	L804	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L902 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910	L805	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM L904 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L910	L901	6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM L905 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L910	L902	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L908 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910	L904	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L911 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910	L905	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L913 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L910	L908	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM  L914 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  LD1101 ODL112100ABLED, SM3411(DL- 11S2GN1) BK Y-GREEN -  PA1101 6726VV0006D R E M O T E RECEIVER, TS0P48380N1 TEMIC	L911	6210TCE001G	FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM LD1101 ODL112100ABLED, SM3411(DL- 11S2GN1) BK Y-GREEN - PA1101 6726VV0006D R E M O T E RECEIVER, TS0P48380N1 TEMIC	L913	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501
L915 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L916 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM  LD1101 ODL112100ABLED, SM3411(DL- 11S2GN1) BK Y-GREEN -  PA1101 6726VV0006D R E M O T E RECEIVER, TS0P48380N1 TEMIC	L914	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM
CERATEC 3216MM L917 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM L925 6210TCE001G FILTER(CIRC),EMC, HH-1M3216-501 CERATEC 3216MM LD1101 ODL112100ABLED, SM3411(DL- 11S2GN1) BK Y-GREEN - PA1101 6726VV0006D R E M O T E RECEIVER, TS0P48380N1 TEMIC	L915	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501
L917 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM L925 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM LD1101 ODL112100ABLED, SM3411(DL- 11S2GN1) BK Y-GREEN - PA1101 6726VV0006D R E M O T E RECEIVER, TSOP48380N1 TEMIC	L916	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501
L925 6210TCE001G FILTER(CIRC), EMC, HH-1M3216-501 CERATEC 3216MM  LD1101 0DL112100ABLED, SM3411(DL- 11S2GN1) BK Y-GREEN - PA1101 6726VV0006D R E M O T E RECEIVER, TS0P48380N1 TEMIC	L917	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501
LD1101 ODL112100ABLED, SM3411(DL- 11S2GN1) BK Y-GREEN - PA1101 6726VV0006D R E M O T E RECEIVER, TSOP48380N1 TEMIC	L925	6210TCE001G	FILTER(CIRC), EMC, HH-1M3216-501
PA1101 6726VV0006D R E M O T E RECEIVER, TSOP48380N1 TEMIC	LD110	01	ODL112100ABLED, SM3411(DL-
38.0KHZ	PA110	01	
			38.0KHZ

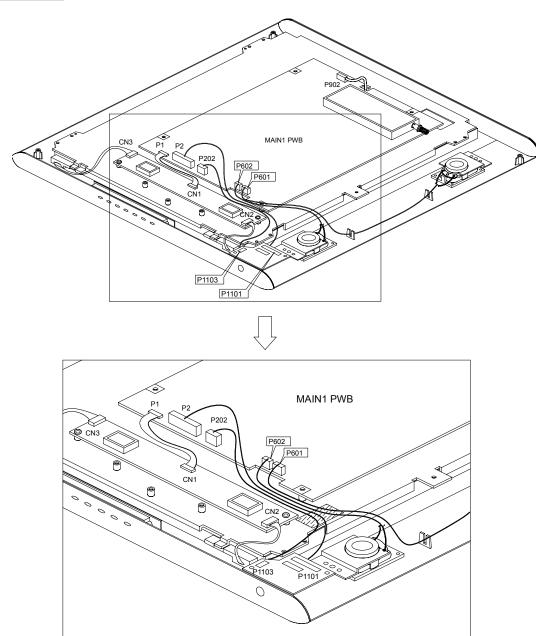
Q102 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q1101	OTR150400BATRANSISTOR,BIPOLARS, CHIP 2SA1504S
Q204 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q205 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q206 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q207 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q208 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q209 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q210 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q3 0TR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q301 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q5 OTR387500AA Q605 OTR150400BA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S TRANSISTOR, BIPOLARS, CHIP 2SA1504S
Q801 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 25C3875S
Q901 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q903 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
Q904 OTR387500AA	TRANSISTOR, BIPOLARS, CHIP 2SC3875S
R219 ORD1200H609	RESISTOR, CARBON FILM, 120 OHM 1/2
R219 ORD1200H609	W 5% RESISTOR, CARBON FILM, 120 OHM 1/2
R220 ORD1200H609	W 5% RESISTOR, CARBON FILM, 120 OHM 1/2
R625 ORD1200H609	W 5% RESISTOR, CARBON FILM, 120 OHM 1/2
R803 ORHZVTA001A	W 5% RESISTOR, DRAWING, 0.025 OHM 1W 2%
R805 ORHZVTA001A	2512 RESISTOR, DRAWING, 0.025 OHM 1W 2%
RA901	2512 ORRZVTAOO1A RESISTOR, DRAWING,
RA902	MNR-14-E0A-J-101 1000HM 5% ORRZVTA001A RESISTOR, DRAWING,
RA903	MNR-14-E0A-J-101 1000HM 5% ORRZVTA001A RESISTOR, DRAWING,
RA904	MNR-14-E0A-J-101 1000HM 5% ORRZVTA001A RESISTOR, DRAWING,
RA905	MNR-14-EOA-J-101 1000HM 5% ORRZVTA001A RESISTOR, DRAWING,
RA906	MNR-14-EOA-J-101 1000HM 5% ORRZVTA001A RESISTOR, DRAWING,
N. 1500	MNR-14-E0A-J-101 1000HM 5%
RA907	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA908	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA909	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA910	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA911	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA912	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA926	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA927	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA928	ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%
RA929	ORRZVTA001A RESISTOR, DRAWING,

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			MNR-14-E0A-J-101 1000HM 5%		
	RA930		ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%		
	RA931		ORRZVTA001A RESISTOR, DRAWING, MNR-14-E0A-J-101 1000HM 5%		
	SW1101		140-313A SWITCH, TACT, TACT 2LEAD 100G(TA) 5V 0.001A HOR.		
	SW1101		6600VM1001A SWITCH,PUSH, SDKLA1 ALPS UL/CSA 250V 5A VERT.		
	SW1102		140-313A SWITCH, TACT, TACT 2LEAD 100G(TA) 5V 0.001A HOR.		
	SW1103		140-313A SWITCH, TACT, TACT 2LEAD 100G(TA) 5V 0.001A HOR.		
	SW1104		140-313A SWITCH, TACT, TACT 2LEAD 100G(TA) 5V 0.001A HOR.		
	SW1105		140-313A SWITCH, TACT, TACT 2LEAD 100G(TA) 5V 0.001A HOR.		
	SW1106		140-313A SWITCH, TACT, TACT 2LEAD 100G(TA) 5V 0.001A HOR.		
	SW1107		140-313A SWITCH, TACT, TACT 2LEAD 100G(TA) 5V 0.001A HOR.		
	T801	6170VTCA30A	TRANSFORMER,COIL, EPC 13-Z 320UH DC-DC CONV.		
TU101			6700VNF019ETUNER, TAFH-H001P LG NTSC F		
	X1	156-A01P	RESONATOR,CRYSTAL, HC49U SUNNY RADIAL 8.000MHZ 30PPM 16PF		
	X301	6202VDT002E	RESONATOR,CRYSTAL, SX-1SMD SUNNY RADIAL 20250000HZ 30PPM 16PF		
	X601	156-A02M	RESONATOR,CRYSTAL, HC49U KJE RADIAL 18.432MHZ 30PPM 10PF BK		
	X901	6202VDT002B	RESONATOR,CRYSTAL, SX-1SMD SUNNY RADIAL 14.318MHZ 30PPM 16PF TP		
ZD1010DZ330009BA		0DZ330009BA	DIODE, ZENERS, ZENER HZT33 TAPING		
	ZD211	ODZRM00178A	DIODE,ZENERS, UDZS TE-17 5.1B ROHM		
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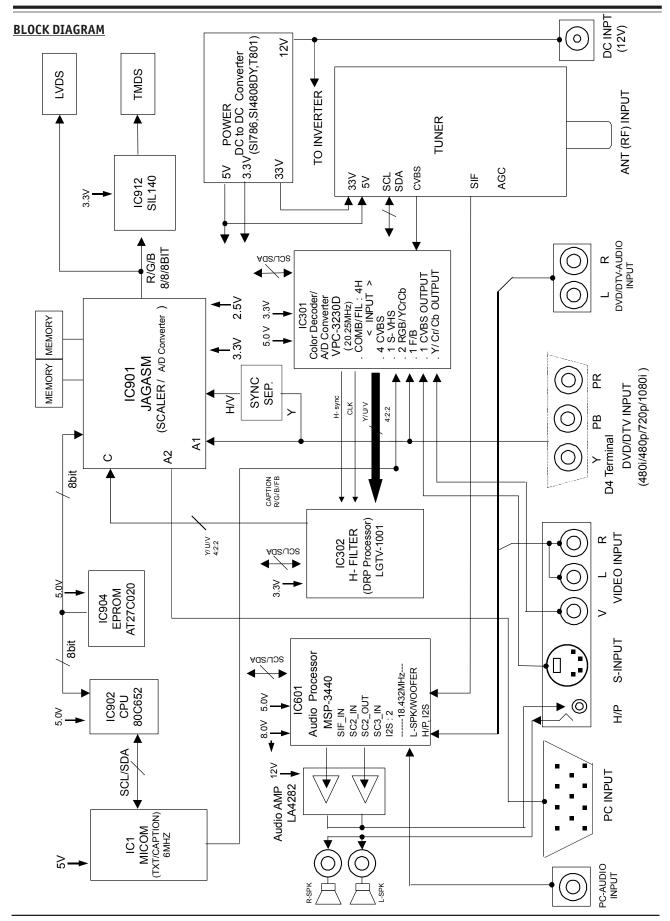


# **WIRING DIAGRAM**



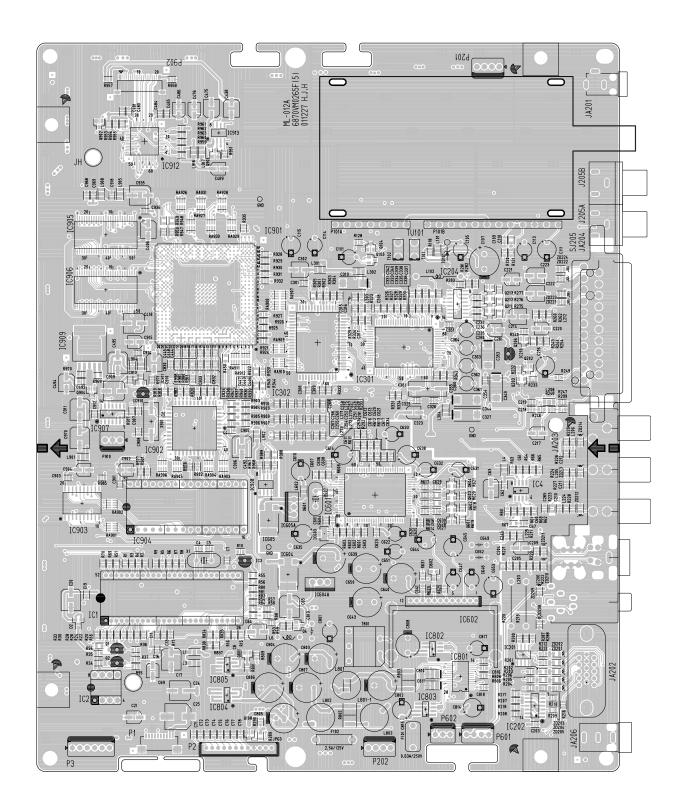
## CONNECTOR

LCD MODULE 3P ---> INVERTER PCB CN2
LCD MODULE 3P ---> INVERTER PCB CN3
POWER S/W PCB P1103 --> MAIN PCB P202
POWER S/W PCB P1101 --> MAIN PCB P2
INVERTER ASSY CN1 --> MAIN PCB P1
SPEAKER (3P) --> MAIN PCB P602
SPEAKER (4P) --> MAIN PCB P601

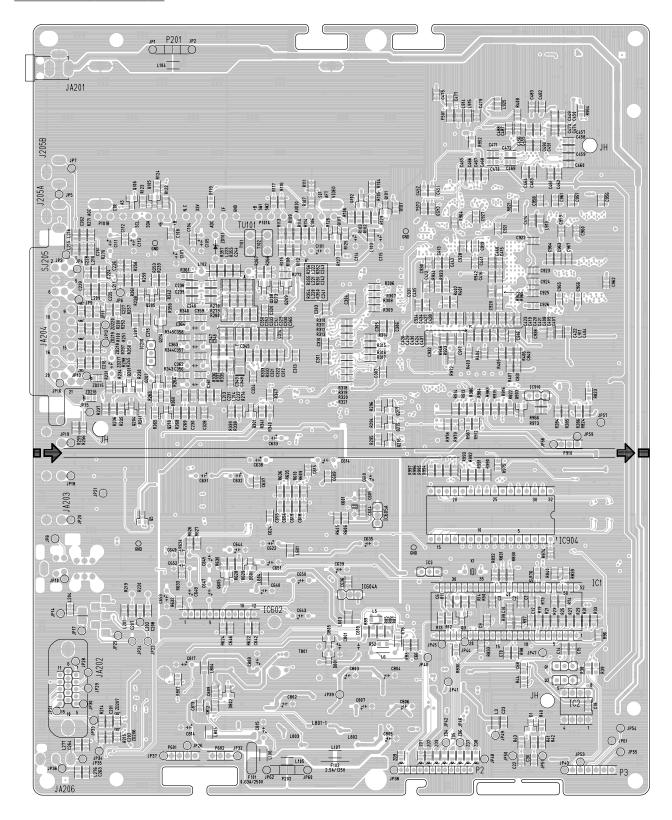


# **PCB LAYOUTS**

# MAIN PCB LAYOUT TOP

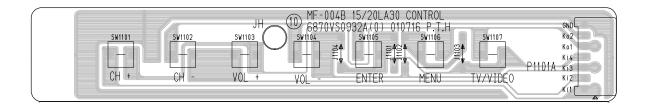


# MAIN PCB LAYOUT BOTTOM

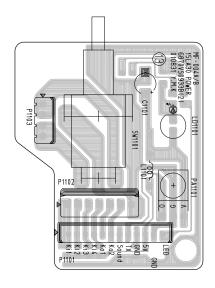


# **PCB LAYOUTS**

# **CONTROL PANEL PCB LAYOUT**



# **POWER SWITCH PCB LAYOUT**



# zenith

